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Poly-tetramethylene polyterephthalate polyester string or plate mfr. -
comprising forming molten polyester into plates or strings, then
contacting with warm water to aid spherulite prodn.

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Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 56147823	A	19811117			198152	B
JP 91021568	B	19910325	JP 8050732	A	19800416	199116

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Patent Details:

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JP 56147823	A		4		

Abstract (Basic): JP 56147823 A

In the prodn. of string or plate materials of thermoplastic polyester comprising at least 75 mol.% tetramethylene terephthalate repeating units by solidification by cooling, the improvement comprises forming the molten polyester into a string or plate shape and then contacting them with warm water at 30-70 deg.C for cooling while generating spherulites and allowing them to grow.

The contact time between the polymer and warm water is generally 1-30 sec. The process is applied to polytetramethylene terephthalate (PBT) and PBT-based copolymers, its effect being partic. noticeable when the copolymerisation ratio is relatively high.

Strings or plates of normal shape can be produced and cutting into chips is simplified and more accurate. Agglutination of the strings or plates does not occur before or after cutting.

Derwent Class: A23; A32

International Patent Class (Additional): B29B-009/06; B29K-067/00;
C08G-063/76; C08J-003/12.